



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM, WATER POLLUTION CONTROL BRANCH
**CONCENTRATED ANIMAL FEEDING OPERATION
 ANNUAL REPORT**

PART I - PERMIT INFORMATION			
1. Operation Name		PHONE FAX	
Address (Physical)	City	State	Zip Code
Address (Mailing)	City	State	Zip Code
2. Owner		PHONE FAX	
Address (Mailing)	City	State	Zip Code
3. Continuing Authority		PHONE FAX	
Address (Mailing)	City	State	Zip Code
4. Permit Number	5. County	6. Reporting Year (Month/Year) From: To:	
PART II - SUMMARY INFORMATION			
7. Number and Type of Animals Under Roof		8. Number and Type of Animals in Open Confinement	
9. Total Process Waste Generated in Reporting Year (gal or tons)		10. Total Process Waste Transferred to Other Parties in Reporting Year	
11. Number of Acres Covered by Nutrient Management Plan		12. Number of Acres Used for Land Application	
13. Any Changes In The System In Reporting Year? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, describe. Attach additional sheets if necessary)			
PART III - SIGNATURE			
14. I certify that I am familiar with the information contained in the report and attachments, and to the best of my knowledge and belief, such information is true complete and accurate.			
Print Name and Title	Signature	Date	

For department use.

Part IV - Land Application Performed

Operation Name				Permit Number			
County		Year		Land Application Equipment			

LAND APPLICATION PERFORMED - Annual Total by Field

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Field ID	Source Description	Acres	Crop	Planned Yield	Actual Yield	Applied Last Year After Harvest		Applied During This Year's Growing Season Before Harvest		Total Inch/Acre or Cubic Feet/Acre or Tons/Acre Col 8 + Col 10	Gallons, Cubic Feet or Tons Applied After This Year's Harvest Season	Other Fertilizer Applied lbs N/acre
				bu or tons/acre	bu or tons/acre	gallons or tons	Inch/acre or tons/acre	gallons or tons	Inch/acre or tons/acre			

Operation Name _____ Permit No. _____ Year _____

Part V - Process Waste Transfers

Date	Name of Recipient	Address of Recipient	Amount (gal. or tons)

Part VI - Lagoon or Storage Basin Levels

Monthly level readings and date observed

Source Description		January	February	March	April	May	June	July	August	September	October	November	December
	Feet Below Overflow												
	Feet Below Overflow												
	Feet Below Overflow												
	Feet Below Overflow												
	Date												

Part VII - Rainfall Data												
	January	February	March	April	May	June	July	August	September	October	November	December
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
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19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Mo. Total												
Year to Date												

Part VIII - Manure Testing Results

	Manure Source:				Manure Source:			
	Concentration:		Nitrogen Availability Factor	Available N	Concentration:		Nitrogen Availability Factor	Available N
	(mg/kg or ppm)	lbs/1000 gal or lbs/ton			(mg/kg or ppm)	lbs/1000 gal or lbs/ton		
Total Kjeldahl Nitrogen (TKN)			N/A	N/A			N/A	N/A
Organic Nitrogen								
Ammonia Nitrogen as N								
Total P as P			N/A	N/A			N/A	N/A
Total K as K			N/A	N/A			N/A	N/A
Sample Data	<input type="checkbox"/> Grab <input type="checkbox"/> Composite - # of Samples _____ - Date Taken _____				<input type="checkbox"/> Grab <input type="checkbox"/> Composite - # of Samples _____ - Date Taken _____			

Part IX - Soil Testing Results

Field ID							
Organic Matter (%)							
Cation Exchange Capacity							
pH (standard units)							
Sample Date							
Sample Depth							
Nitrogen Recommendation:							
CROP:							
CROP:							
CROP:							
CROP:							

Instructions

Concentrated Animal Feeding Operations Annual Report

DAILY LOG (page 9)

The daily log is to be used to compile the annual report and does not have to be submitted. For each day of land application enter the date, field identification, landowner, amount applied, and number of acres. Record all fertilizer sources including manure, compost, sludge and commercial fertilizer. Note any separation distances required and note the weather condition. Any time process waste is sold or given away enter the name and amount.

ANNUAL REPORT

General: The annual report consists of nine (9) parts. The report must be submitted by January 28 for the previous calendar year.

PART I - PERMIT INFORMATION (page 1)

Boxes 1 through 5 will be general information for the operation. This information may be copied from your current permit, if it is the same. Please note that completion of this form does not substitute for completing and submitting a Form F for ownership transfers or modifications.

Box 6 will normally be January 1 to December 31 for the reporting year. This box may be used to indicate shorter reporting timeframes due to a new or terminating operation. Box 6 may also be used for ownership transfers when the new and old owners choose to report separately.

PART II - SUMMARY INFORMATION (page 1)

Box 7 - Enter the maximum number of animals housed under roof at any one time during the reporting year. Use the following for the type of animals: (a) beef cattle, (b) broilers, (c) layers, (d) swine weighing 55 pounds or more, (e) swine weighing less than 55 pounds, (f) mature dairy cows, (g) dairy heifers, (h) veal calves, (i) sheep and lambs, (j) horses, (k) ducks, (l) turkeys, (m) other (please specify).

Box 8 - Complete this box like Box 7 only enter the maximum number and type of animal housed in open confinement at any one time. Do not include animals on pasture (or land with vegetative cover).

Box 9 - Enter the amount of process waste generated during the reporting period. This will include all manure, compost, sludge, contaminated rainwater, etc. Record the amount of liquids in gallons and the amount of solids in tons. If the amount is not known exactly, the amount can be estimated. For lagoon systems or other storage basins this amount can be estimated by taking the difference between the storage structure levels at the beginning of the year and the end of the year and adding the amount of waste land applied and transferred during the year.

Box 10 - Enter the amount of process waste transferred to other parties during the reporting period. This will include all manure, compost, sludge, contaminated rainwater, etc. reported in **Part V - Process Waste Transfers**. Record the amount of liquids in gallons and the amount of solids in tons.

Box 11 - Enter the number of acres that are covered under a nutrient management plan.

Box 12 - Enter the number of acres that the CAFO owns, has under spreading agreement or otherwise controls that was utilized for land application during the reporting period.

Box 13 - Enter any changes to the system during the reporting period. Please note that completion of this form does not substitute for completing and submitting a Form F for ownership transfers or modifications.

PART III - SIGNATURE (page 1)

Sign and date this part as indicated prior to submitting the annual report to the department.

Part IV - Land Application Performed (page 3)

Total the daily log by Field ID (Col 1). Separate the amounts between "This Year's Growing Season Before Harvest" (Col 9) and "After This Year's Harvest Season" (Col 12). Col 12 will be carried forward to Col 7 the next year. Do not include process waste sold or given away.

Complete the "source description", "acres", "crop", "planned yield", "actual yield" and "other fertilizer applied" for each field.

Liquid Systems

Convert "gallons" to "inches/acre" by dividing the gallons (Col. 7 and Col. 9) by the acres (Col. 3) by 27,154 and enter in the corresponding column (Col. 8 or Col. 10).

Add Col. 8 and Col. 10 and enter in Col. 11.

Keep note of Col. 12 to be carried forward to the following year's Col. 7.

Dry Systems

Convert "tons" to "tons/acre" by dividing the tons (Col. 7 and Col. 9) by the acres (Col. 3) and enter in the corresponding column (Col. 8 or Col. 10).

Add Col. 8 and Col. 10 and enter in Col. 11.

Keep note of Col. 12 to be carried forward to the following year's Col. 7.

Part V - Process Waste Transfers (page 4)

All permittees who sell, give away or otherwise transfer process waste, or manure, shall enter the date of the transfer, the name and address of the person or entity receiving the waste and the approximate amount. The amount shall be recorded in gallons for liquids and tons for solids. Additional sheets may be attached as necessary.

Part VI - Lagoon or Storage Basin Levels (page 4)

Permittees who use liquid systems shall enter the date and liquid level reading in feet below the overflow for each month. The dates of the readings should be close to the same date each month.

Part VII - Rainfall Data (page 5)

All permittees should submit the rainfall data that has been compiled throughout the year. Data for the entire year must be submitted.

Part VIII - Manure Testing Results (page 6)

Permittees that use application rates based upon the Plant Available Nitrogen approach shall complete this part of the annual report. Permittees that utilize the Conservative Application rates listed in their permit are not required to complete this part, but the department does request this information if available.

Operations with multiple process waste sources (i.e. multiple lagoons, lagoon and solids, etc.) need to report each source separately. Please utilize extra sheets as necessary. The Manure Source shall be the same identification as used in **Part IV - Land Application Performed**. Enter the data from the laboratory report sheets into the appropriate boxes. Utilize the following conversions as necessary to fill out the report form.

mg/kg = mg/L = ppm

Concentration in percent x 10,000 = Concentration in ppm

Concentration in ppm x 0.00834 = Concentration in pounds per 1000 gallons

Concentration in ppm x 0.002 = Concentration in pounds per ton

Total Kjeldahl Nitrogen - Ammonia Nitrogen as N = Organic Nitrogen

The nitrogen availability factor should be the same factors as indicated in the permit application.

For the sample data please indicate whether the sample was a grab or composite sample and the number of samples taken during the reporting period for the source. Please also indicate the dates that each sample was taken.

Part IX - Soil Testing Results (page 6)

List the soil test results in the units listed on the form and report the sample depths (e.g. 0-6 inches) and sample dates. Report samples collected within the last three years. Each field should be put in its own column. Complete the nitrogen recommendation for each sample by listing the expected crops by rows and corresponding recommendation in the field column. Attach additional sheets as necessary.

Submission

Submit the completed report by January 28 of each year to: Missouri Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, MO 65102. **For further information or questions call (573) 751-1300.**

DAILY LOG

Use this form to complete the annual report. Do not submit with the annual report

[illegible]

- * Also enter any commercial fertilizer applied to the fields.
- ** Minimum Separation Distances. Insert the code letters (a, b, c, d, e) that apply:
- (a) 300 feet - losing streams, sinkholes, caves, wells, abandoned wells, water supply structures or impoundments
 - (b) 150 feet - dwellings or public use areas if applied with spray irrigation systems
 - (c) 100 feet - permanent flowing streams, intermittent flowing streams, privately owned impoundments not used as a water supply and surface waters down gradient to land application;
 - (d) 50 feet for application by tank wagon or solid spreader from dwellings or public use areas, and 50 feet from property lines
 - (e) None
- *** Designate source (This can be the outfall number from the permit.)
- **** Insert the codes that apply: CL-clear, RN-rain, SN-snow, OV-overcast, FR-freezing